

a plurality of electrically conductive members disposed in contact with electrical contact locations on said surface;

F ^{each} _{has} said electrically conductive members have an enlarged base, an elongated electrically conductive member in contact with said base and extending away from said base;

f ^{each} said enlarged base is fixedly attached on _{of} said electrical contact locations:

D/CH a sheet of material having a plurality of openings extending from a first side to a second side of said sheet, said sheet being disposed for alignment with said plurality of electrically conductive members;

each of said plurality of openings being smaller than said base so that said sheet is disposed away from and not in contact with said surface;

said sheet is disposed over said plurality of electrically conductive members with each of said elongated electrically conductive member extending through said plurality of openings;

wherein said elongated electrically conductive member has a first end disposed in contact with said enlarged base and a second end disposed in contact with an enlarged tip;

said sheet is disposed between said enlarged base and said enlarged tip so that said first side of
said sheet is disposed against said enlarged base;

Pd said enlarged tip is pressed against said second side of said sheet to have a stud shape so as to

Ino E2 fixedly hold said sheet between said enlarged tip and said base *E2*

In claim 41, delete "41"; replace therefor --40--.

Pub E1 44. (Amended) A structure comprising:

a substrate having a surface;

a plurality of electrically conductive members disposed on said surface;

D2 said electrically conductive members have an enlarged base, an elongated electrically conductive
member in contact with said enlarged base and having an end extending away from said base;

said end being enlarged;

said end has a first coating selected from the group consisting of Cr, Ti, TiN, Ni, Zr, ZrN or Co
and a second coating over said first coating selected from the group consisting of Pt, Ir, Rh, Ru

and Pd[.];

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D
Conct.
~~said first layer inhibits oxidation and diffusion at temperatures up to 200°C; and~~

~~said second layer prevents out diffusion of said first layer.~~

46. (Amended) A structure comprising:

a substrate having a surface;

a plurality of electrically conductive members disposed on said surface;

~~said electrically conductive members have an enlarged base, an elongated electrically conductive member in contact with said base and having an end extending away from said base;~~

~~said end being enlarged and flattened[.];~~

~~said electrically conductive member has a first coating to inhibit oxidation of said electrically conductive member at elevated temperatures, and~~

~~a second coating on said first coating to prevent out diffusion of said first coating.~~

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49. (Twice amended) A structure comprising:

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a substrate having a surface;

a plurality of electrically conductive members disposed on said surface;

F *end of* has
said electrically conductive members have an enlarged base, an elongated electrically conductive
In & 3> member in contact with said base and having an end extending away from said base.
e3

said end being enlarged;

D3
(anc)
a sheet of material having a plurality of openings extending from a first side to a second side, said
opening being positioned to align with said plurality of [probe tips] electrically conductive
members, said sheet is disposed over said plurality of [probe tips] electrically conductive
members, said elongated electrically conductive members being disposed in said opening;

each of said plurality of openings being smaller than said enlarged base so that said first side of
said sheet is disposed against said enlarged base so that said sheet is disposed away from and not
in contact with said surface;

2 said enlarged *end* *tip* is pressed against said second *side* to have a stud shape so as to fixedly hold
In & 2> said sheet between said enlarged end and said enlarged base.
e2